

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE
 in its capacity as elected Office

Date of mailing (day/month/year) 26 June 2001 (26.06.01)	Applicant's or agent's file reference P700583PCT/JG
International application No. PCT/GB00/02625	Priority date (day/month/year) 09 July 1999 (09.07.99)
International filing date (day/month/year) 07 July 2000 (07.07.00)	
Applicant KIRBY, John, Kenneth	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

07 February 2001 (07.02.01)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Juan Cruz Telephone No.: (41-22) 338.83.38
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Claims

1. A laminar mat comprising a rigid planar tile of moulded plastics material having on respective faces a planar layer integrated therewith
5 during moulding of the tile, the planar layers each being of similar material.
2. A laminar mat as claimed in claim 1 wherein the planar layers comprise a plastics material.
- 10 3. A laminar mat as claimed in claim 2 wherein said plastics material is polypropylene.
4. A laminar mat as claimed in claim 3 wherein said plastics material is
15 oriented polypropylene.
5. A laminar mat as claimed in claim 1 wherein the planar layers comprise paper.
- 20 6. A laminar mat as claimed in claim 1 wherein the planar layers comprise card.
7. A laminar mat as claimed in claim 1 wherein both of the planar layers are laminated
- 25 8. A laminar mat as claimed in claim 7 wherein the planar layers include at least one laminae selected from the following: plastics material, paper and card.

PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P700583PCT/JG	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/GB00/02625	International filing date (day/month/year) 07/07/2000	Priority date (day/month/year) 09/07/1999
International Patent Classification (IPC) or national classification and IPC B32B27/00		
Applicant INNAVISIONS LIMITED et al.		



1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

 These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 07/02/2001	Date of completion of this report 08.11.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Stock, H Telephone No. +49 89 2399 8458 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/02625

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):
Description, pages:

1-16 as originally filed

Claims, No.:

9-45 as originally filed

1-8 as received on 24/10/2001 with letter of 24/10/2001

Drawings, sheets:

1/6-6/6 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/02625

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-44
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-44
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-44
	No:	Claims	

2. Citations and explanations
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/GB00/02625

Item V

None of the cited documents suggests that the mat should be formed by injection moulding between similar pre-manufactured surface layers or laminates.

Thus, JP-62-167 048 employs a process of simultaneously injection moulding elastomeric thermoplastic surface layers and a filled core. The abstract is silent on the form of the product.

EP-A-328 225 appears to represent closest prior art. It discloses computer mouse mats obtained by seam welding pre-manufactured surface layers around a crease-resistant core. Improper alignment of the layers during welding may lead to delamination of the product during use. The present application avoids this by co-moulding the tile with the planar surface layers.

The claims appear to meet the requirements of Article 33(2) -(4) PCT.

INTERNATIONAL SEARCH REPORT

Interr Application No
PCT/00/02625

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B32B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B32B B29C G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 995 984 A (TEETER ROGER C ET AL) 7 December 1976 (1976-12-07) claims 1-3 column 3, line 40 -column 4, line 25 figures 2-5	1,2,7,8, 10,32,43
X	US 4 065 150 A (VAN AUKEN RICHARD L) 27 December 1977 (1977-12-27) claims 1-3,5,13	1,2,7,8, 32
X	DATABASE WPI Section Ch, Week 198735 Derwent Publications Ltd., London, GB; Class A17, AN 1987-245809 XP002153815 & JP 62 167048 A (SHOWA DENKO KK), 23 July 1987 (1987-07-23) abstract	1,2

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

24 November 2000

Date of mailing of the international search report

06/12/2000

Name and mailing address of the ISA

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Authorized officer

Girard, S

INTERNATIONAL SEARCH REPORT

Intern. Application No.
PCT/00/02625

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 864 417 A (CHISSO CORP ;HONDA MOTOR CO LTD (JP)) 16 September 1998 (1998-09-16) claims 1,5,6 page 6, line 19 - line 27 -----	1-32
A	DATABASE WPI Section Ch, Week 199010 Derwent Publications Ltd., London, GB; Class A32, AN 1990-071729 XP002153816 & JP 02 025312 A (WADA KOGYO KK), 26 January 1990 (1990-01-26) abstract -----	1-42
A	EP 0 495 292 A (KASAI KOGYO KK) 22 July 1992 (1992-07-22) claims 1-4,8 -----	13-20

INTERNATIONAL SEARCH REPORT

Formal patent family members

Intern Application No

PCT/00/02625

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3995984	A	07-12-1976	US 3879245 A	22-04-1975
			US 8548688 I	09-03-1976
US 4065150	A	27-12-1977	BE 850713 A	25-07-1977
			DE 2647586 A	28-07-1977
			DK 6577 A	27-07-1977
			FI 763173 A	27-07-1977
			FR 2338721 A	19-08-1977
			GB 1561435 A	20-02-1980
			IT 1064045 B	18-02-1985
			JP 52092633 A	04-08-1977
			NL 7612670 A	28-07-1977
			NO 763890 A	27-07-1977
			SE 7612747 A	27-07-1977
JP 62167048	A	23-07-1987	NONE	
EP 0864417	A	16-09-1998	JP 10250010 A	22-09-1998
			CA 2231981 A	14-09-1998
			CN 1199667 A	25-11-1998
JP 2025312	A	26-01-1990	JP 1814543 C	18-01-1994
			JP 5021731 B	25-03-1993
EP 0495292	A	22-07-1992	JP 2558014 B	27-11-1996
			JP 4241928 A	28-08-1992
			DE 69124358 D	06-03-1997
			DE 69124358 T	21-08-1997
			ES 2099138 T	16-05-1997
			US 5925207 A	20-07-1999

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P700583PCT/JG	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 00/ 02625	International filing date (day/month/year) 07/07/2000	(Earliest) Priority Date (day/month/year) 09/07/1999
Applicant INNAVISIONS LIMITED et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

PC B 00/02625

According to International Patent Classification (IPC) or to both national classification and IPC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 995 984 A (TEETER ROGER C ET AL) 7 December 1976 (1976-12-07) claims 1-3 column 3, line 40 -column 4, line 25 figures 2-5 ---	1,2,7,8, 10,32,43
X	US 4 065 150 A (VAN AUKEN RICHARD L) 27 December 1977 (1977-12-27) claims 1-3,5,13 ---	1,2,7,8, 32
X	DATABASE WPI Section Ch, Week 198735 Derwent Publications Ltd., London, GB; Class A17, AN 1987-245809 XP002153815 & JP 62 167048 A (SHOWA DENKO KK), 23 July 1987 (1987-07-23) abstract ---	1,2

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☒ Patent family members are listed in annex.

*& document member of the same patent family

06/12/2000

Girard, S

PC B 00/02625

Relevant to claim No.

13-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PC B 00/02625

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3995984	A	07-12-1976	US 3879245 A US 8548688 I	22-04-1975 09-03-1976
US 4065150	A	27-12-1977	BE 850713 A DE 2647586 A DK 6577 A FI 763173 A FR 2338721 A GB 1561435 A IT 1064045 B JP 52092633 A NL 7612670 A NO 763890 A SE 7612747 A	25-07-1977 28-07-1977 27-07-1977 27-07-1977 19-08-1977 20-02-1980 18-02-1985 04-08-1977 28-07-1977 27-07-1977 27-07-1977
JP 62167048	A	23-07-1987	NONE	
EP 0864417	A	16-09-1998	JP 10250010 A CA 2231981 A CN 1199667 A	22-09-1998 14-09-1998 25-11-1998
JP 2025312	A	26-01-1990	JP 1814543 C JP 5021731 B	18-01-1994 25-03-1993
EP 0495292	A	22-07-1992	JP 2558014 B JP 4241928 A DE 69124358 D DE 69124358 T ES 2099138 T US 5925207 A	27-11-1996 28-08-1992 06-03-1997 21-08-1997 16-05-1997 20-07-1999